



ROYAL INSTITUTION OF SURVEYORS MALAYSIA

YOUNG ACHIEVERS' AWARD

2020

**COMPETITION KIT FOR SCHOOLS
(Preliminary Stage)**

COMPETITION BOOKLET FOR SCHOOLS

1.0 Introduction

1.1 Royal Institution of Surveyors Malaysia

The Royal Institution of Surveyors Malaysia (RISM) is the official professional body of the surveying profession in Malaysia i.e. Building Surveyors, Geomatics & Land Surveyors, Property Surveyors, and Quantity Surveyors. It represents and promotes the interest of the Surveyor and provides an avenue for interaction between members, related profession, government and the public. The Institution also serves to establish and maintain a professional code of ethics and ensure the advancement of the surveying profession.

1.2 The Young Achievers' Award

The Young Achievers' Award (YAA) 2020 is a competition organized by the Royal Institution of Surveyors Malaysia (RISM).

The Institution started the competition in the year 2000 to instill students' interest in Mathematics, Science and Technology in general and the Science and Earth measurement in particular. It also aims to develop students' skills in intellectual reasoning.

We, RISM YAA Committee believe that such outreach programmes present a priceless opportunity to attract new audiences, in this case offering upper secondary school students a clearer picture of the role of surveyors in all aspects in the Malaysian Construction Industry. As well as encouraging these young minds to unleash their creativity, this competition will also help to promote the surveying industry and to encourage the younger generation to become surveyors.

1.3 Objectives

- a) Promote the surveying industry to the younger generation by giving them an understanding of surveyor's role in smart green homes.
- b) Motivate students to think critically about environmental policy and governance issues.
- c) Encourage students to demonstrate their creativity by designing the ideal community.
- d) Educate the younger generation about the importance of sustainable development in Malaysia.

2.0 The Four Surveying Profession

2.1 Building Surveying

Building Surveyors offer specialist services on matters relating to building and property development, such as project and construction management, maintenance and repair building, refurbishment and restoration of old properties, building law and regulation, demolition works and property redevelopment. A competent Building Surveyor is expected to manage, organize, supervise, monitor, evaluate and coordinate every aspect of building and development works and act as a vital link in the project between all the affiliated professionals such as architects, engineers, planners and builders. Besides that, a Building Surveyor also provides liaison and consultation services with the public and local authorities for his/her client.

2.2 Geomatics and Land Surveying

Geomatics and Land Surveyors (GLS) are generally related to the spatial science fields of geolocation, geospatial information and information technology, in which the measurement, management and analysis of the spatial information to enable correct decision making are made through mapping, cadastre, surveying, engineering, remote sensing (LiDAR or HDS scanning), underground utility detection and mapping, hydrography, photogrammetry, global navigation satellite systems (GNSS), seabed topographic mapping and geographic information systems (GIS) services. In a building project lifecycle, the services provided by GLS professionals cover beyond the planning and design phases, to extend through the entire life cycle of the project, including operation and end-of-life phases.

2.3 Property Surveying

Property Surveying provide professional advisory services in the field of valuation of tangible and intangible assets, real estate transaction, property management and research in property market.

This discipline is therefore concerned with land use control and economic aspects of land management on behalf of a wide variety of owners; land reform and land settlement which may be undertaken to achieve the best use of land and the best locations for human settlements, land valuation for a wide variety of private transactions or public actions affecting land; compulsory land acquisition; land development in which the surveyor's knowledge of the land market is of paramount importance. Members of this Division work as Valuers, Property Managers, Real Estate Agents and Property Consultants.

2.4 Quantity Surveying

Quantity Surveyors specialise in the cost and financing of building and engineering contracts, from the first estimates to the final account for the project. They advise on the fixing of costs targets, the cost planning and design, the letting of a contract for the work, cost control during execution, and advice on contract administration. Their role is to ensure that their client obtains value for the money expended and that the resources of the construction industry are used to the best advantage of society.

Brochures and materials of the four surveying professions can be obtained from the Institution's website i.e. <http://www.rism.org.my>

3.0 Competition Rules

3.1 Eligibility

All students from upper secondary classes (Form 4 – Form 5) in the academic year 2020/21 are eligible to participate.

Each school is only allowed to register a team which consists of three (3) students and one (1) supervisor.

3.2 Competition format

The competition is conducted by the Headquarters, Royal Institution of Surveyors Malaysia.

The competition will be in **two (2) stages** and each participating team is required to pass the Preliminary stage before proceeding to the Final stage.

Any school wishing to participate in the competition has to register its entry through the RISM Website (<https://www.rism.org.my>) before 22nd February 2020. All such registration of entries will be notified by the organisers through email.

Every team that has participated in the competition will receive a Certificate of Participation.

There is **no admission charge** to enter the competition. However, the participating schools are responsible for whatever costs incurred by their respective teams at the Preliminary stage of the competition.

RISM shall bear the transport, lodging and subsistence costs for the teams which have qualified for the Final Stage to be held in **Royal Widad Residence UTM, Kuala Lumpur** on **10 - 12 April 2020**. All teams, including their supervisors, must be present at the venue for the duration of the Final stage. Failure to do so would be a disqualification.

Application and selection timeline –

Date (2020)	Event
10 February 2020	On-line Application Form Submission • Please complete the online registration form at RISM Website- http://www.rism.gov.my
22 February 2020	Closing date for Registration
6 March 2020	Preliminary Entry Submission
9 March 2020	Judging committees assess preliminaries submission
22 March 2020	Announcement of Preliminary Submissions results
23 March 2020	Final Stage Competition Kit will be distributed to the Finalist
10-12 April 2020	Final

4.0 Preliminary Submission (Stage 1)

4.1 General Requirement

Upon registration, each team will be given the scope of work and a competitive kit via email by the Competition Secretariat. **Each team has to submit its proposal and report on the scope of work not exceeding 2,500 words in the word and pdf format** to the Judging Committee via RISM Website (www.rism.org.my) before 6th March, 2020.

The report on the Smart Green Home proposal should be set out in a neat and orderly manner, typeset in double spacing on A4 size paper. It should have sectional headings and numbered pages for convenient reference and assessment.

Any submission that is not accessible to the Judging Committee will not be entertained. Hence, every team must ensure that its submission is successfully transmitted. Any late submission will not be entertained.

4.2 Special Award in Preliminary Stage

There will also be a special award, the **Most Popular Award**, for this year entries in addition to other prizes.

All the participating teams have to do the following within the time period from **16th February 2020 to 30th March 2020**:-

1. Like and follow **RISM YAA 2020 FB and Instagram** page
2. Shoot a **short video vertically** on your phone by sharing your smart green home proposal and the involvement of four (4) surveying profession in the smart green home. — make sure it **doesn't go any longer than 5 minutes**
3. All the participating teams need to send the video to RISM YAA 2020 official email rismyaa2020@gmail.com and address to **Ms. Zarinah** for any email enquiries.
4. The RISM 2020 YAA Committee will **upload** the video to **RISM YAA 2020 Instagram account** and notify the participating teams once the committee has uploaded the video (Normally the notification will take **1-2 days after we received the video from the participating team**).
5. Ask your friends to **LIKE AND SHARE** your video on Instagram.
6. **Cut-off date** for like and share of the Video on IGTV will be on **30th March 2020, 11.59pm**.
7. Make sure you **SUBMIT** your video earlier (Preferably 16th February 2020) so that you can accumulate the like and share starting from 17th February 2020!!!
8. The **most liked & share video on Instagram** will win the **Most Popular Award**.

Winner of this **Instagram Category** will be announced a week before the Final Stage on **3rd of April 2020**.

4.0 Preliminary Submission (Stage 1) [Continued]

4.3 Judging Criteria for Preliminaries Stage

As a guide, the submission of the report for preliminaries stage should comprise of the following:

1. Proposal to the Smart Green Homes

Teams are encourage to use their imaginative and creativity to outline the proposal of ideal smart green home. Moreover, the teams also need to **demonstrate the elements of four surveying professions' scope of work in this smart green home such as the followings: -**

- Holistic maintenance management of building etc. by the building surveyor
- Measures and records the shape and position of the land, defines the boundary etc. by the Geomatic and Land Surveying
- Advises on the impact Smart Green Home technology has on the value and marketability of a proposed development etc.by the Property Surveying
- Building Contractual arrangements, cost control and preparation of the bills of quantities etc. by the quantity surveyor

Important note:

Participating Teams shall do more research on the four (4) surveying professions and understand the role that each surveying profession played in a project for example the smart green home project

2. The benefit of having the smart green homes

The teams should evaluate and state down the benefit of having the smart green homes and taking into account of its environment protection, policy and through the process, to bring out the importance of sustainable development through innovative ideas

3. Three (3) reasons why you should be the winner

The team should unleash your creativity and imagination on why you should be the winner of this year contest by stating three (3) reasons with a short elaboration on each reason.

4. Translate your innovative idea not exceeding 8 words

In other words, the organizing committees are expecting the participating teams to come out with the slogan/motto of your smart green home proposal by not exceeding 8 words

4.3 Judging Criteria for Preliminaries Stage [Continued]

The report covering the above-mentioned four (4) sub-tasks **shall not exceed 2,500 words**.

Judging will be based on a baseline result done by the Judging Committee.

Judging of submission will take up to 14 working days. Shortlisted teams for the final stage will be announced on the **22nd March 2020** through email and the various social media operated by RISM Malaysia.

Judging Criteria	Percentage
Outline proposal as to the Smart Green Home and how the proposed smart green home shows the involvement of four (4) surveying professions.	30%
The benefit of having the smart green homes	20%
Three (3) reasons why you should be the winner	30%
Translate your innovative idea not exceeding 8 words	20%

You are also reminded that, while encouraging you to do research on the smart green home reading material, RISM regards the **copying the work from the authoritative reading sources or other form of reading materials as a form of plagiarism**, which is subject to **severe penalties**.

Important note: Kindly include all the **references** that you have referred to avoid the penalties.

5.0 Prizes and Awards

The prizes and awards are as follows:

- a) First prize (1 winner): MYR 3,000.00 (three thousand) and a trophy.**
- b) Second prize: MYR 2,000.00 (two thousand) and a trophy**
- c) Third prize: MYR 1,000.00 (one thousand) and a trophy**

All entries that have qualified to the Final stage will be displayed through the RISM social media.

6.0 Post-Contest

6.1 All documents submitted for the RISM YOUNG ACHIEVERS' AWARD 2020 shall not be returned.

6.2 The Organiser shall retain and hold exclusive rights of any documents submitted for the purpose of RISM Young Achievers' Award 2020; including but not limited to media rights, deliverables, models, materials and projects.

For any questions and/or comments, please contact the Organising Committee **(Ms. Zarinah)** at **03-7954 8358** or email to rismyaa2020@gmail.com